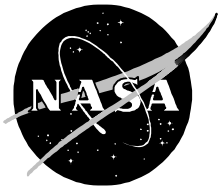
# VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY MANAGEMENT SYSTEM (NSMS)

Release 8.1.1

UNITeS Contract

April 2004




National Aeronautics and
Space Administration

**George C. Marshall Space Flight Center**
Huntsville, AL 35812

# VERSION DESCRIPTION DOCUMENT
# FOR THE
# NASA SUPPLY MANAGEMENT SYSTEM (NSMS)
# RELEASE

Approved by

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Marisa Wofford Date
Consolidation Center
Project Manager

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Nikita Zurkin Date
Program Functional Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

April 2004

# 1 INTRODUCTION

## 1.1 Identification of the Release

This software release is identified as the National Aeronautics and Space Administration (NASA) Supply Management System (NSMS), Version Description Document (VDD), Release.

The release has an effective date of April 2, 2004. Support of the previous release expires on the implementation date of release. This release must be in Production on April 2, 2004.

## 1.2 Purpose of the Release

This release includes system modifications as specified in Sections 2.0 and 3.0 of this document.

## 1.3 Scope of the Release

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 8.1.1, including the following:

- Validation procedures to ensure the reliability of those changes.
- References to other documents affected by this release.
- Detail software installation procedures.

## 1.4 Contact Points

Questions regarding the functional and/or technical aspects for NSMS, as well as the installation of this release, should be directed to:

Scott Neely at telephone number (256)544-1049 or
by e-mail Scott. Neely@msfc.nasa.gov
The fax number is (256)544-1836.

# 2 FUNCTIONAL INFORMATION

## 2.1 FUNCTIONAL CHANGES

This release includes three (3) Discrepancy changes and two (2) Performance changes.

**1. CR 1620# 1037**
When saving the data from an Issue via the Create Issue Directive, the IFMP accounting data is not being saved. By the process not saving the IFMP accounting data, the user has to re-enter the accounting data. This is time-consuming and error-prone.

**ACTION -** Enhance the process to retain the IFMP accounting data when the save option is selected.

**2. DR 1620# 1038**
A due-in record was created. Then an archive was run releasing records with lower ISN numbers. Then a receipt was created which used one of these lower ISN numbers. The document number from the due-in was placed temporarily in the document number of the receipt as it was created. A FIND was performed in the PRE-ET to get the accounting data from the due-in record (which should have a unique document number), but due to the receipt having an erroneous document number and a lower ISN, it is found instead. This results in invalid accounting data on the receipt record. The document number of the receipt is corrected when the receipt is assigned a unique document number in the PRE-ET, but the invalid accounting data has already been added to the receipt record. This erroneous condition will only manifest itself when the records have been archived and the ISN (the Database Management System Internal Sequence Number) is reused (reuse ISN flag set to "Yes").

**ACTION -** Correct the code to blank out the document number of the receipt until the PRE-ET can assign it a unique document number.

**3. DR 1620# 1039**
Reports are inaccurate for Adjustments and Non-Adjustments to Program Stock – Traceable.

**ACTION -** Modify NSMS to ensure accurate, proper reporting of adjustments & non-adjustments to Program Stock--Traceable assets.

**4. DR 1620# 1040**
In some cases, the TRANSACTION ADJUSTMENT (TRANSADJ) process is hung up. In any case when performing a POST POST Issue (ISSUEPP) process on a Warehouse Asset and the "Save Data Option" is invoked, and a regular non-warehouse asset is issued, the Warehouse Asset's "TXN-ASST-WRHSE-DNSO" is stored in the regular non-warehouse asset's "TXN-ASST-WRHSE-DNSO.

**ACTION -** Correct the problem that occurs only when the "Save Data Option" is used.

**5. CR 1620# 1042**
In the case of a backup restore in SAP, a process needs to be developed to aid/reprocess transactions sent to IFMP. The issue type transactions need to be identified for re-processing in IFMP based on a timeframe supplied by IFMP.

**ACTION –** Create process in NSMS to aid in identifying and re-processing transactions already processed in NSMS but need to be re-processed in IFMP. This process should allow for a time-frame (date) to be entered. This process should work for each center individually.

## 2.2 FUNCTIONAL INTERFACES

This release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

## 2.3 CRITICAL ISSUES

No critical issues exist for this release.

## 2.4 AFFECTED DOCUMENTS

There is no document affected by this release.

## 2.5 APPLICATION SYSTEM ADMINISTRATION

There are no application system administration changes associated with this release.

# 3 TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

## 3.1 TECHNICAL SYSTEM INTERFACES

There are no technical system interface issues with this release.

## 3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

## 3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

## 3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

### 3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

### 3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

### 3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

### 3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NSMS Software Release 8.1.1 for detailed software installation procedures.

## 3.5 OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of the release.

# 4 KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

# APPENDIX A

## LIST OF ACRONYMS

| | |
|---|---|
| ADP | Automated Data Processing |
| CCB | Configuration Control Board |
| CCR | Change Control Request |
| DR | Discrepancy Report |
| IFMP | Integrated Financial Management Program |
| JCL | Job Control Language |
| JIT | Just In Time |
| NACC | NASA Automated Data Processing (ADP) Consolidation Center |
| NASA | National Aeronautics and Space Administration |
| NSMS | NASA Supply Management System |
| NSN | National Stock Number |
| RC | Requirements Change |
| SESAAS | Sustaining Engineering Support for Agencywide Application Services |
| UNITeS | Unified NASA Information Technology Services |
| UOG | User and Operations Guide |
| VDD | Version Description Document |

# APPENDIX B

# GLOSSARY

This document has no terms to be defined.

# APPENDIX C

## FUNCTIONAL CHANGE VALIDATION PROCEDURES

**1. PERFORMANCE – The Create Issue Directive Process should retain the IFMP accounting data when the data is saved for the next transaction. 1620 - #1037**

When saving the data from an Issue (ISPR) via the Create Issue Directive, the IFMP accounting data is not being saved. By the process not saving the IFMP accounting data, the user has to re-enter the accounting data which is time-consuming and error-prone.

**ACTION** – Enhance the process to retain the IFMP accounting data when the save option is selected.

**VALIDATION**

1. Using the ADD CHANGE OR DELETE CATALOG DETAIL (CATADCHG) process to add a non-traceable catalog record (blank in TRACE CODE).
2. Using the ADD, CHANGE OR DELETE ASSET (ADCHGAST) process, add a Store Stock (Stock Status Code of “1”) asset for the above catalog record. This will be known as ASSET ONE.
3. Using the INVENTORY ADJUSTMENT (INVADJST) process to add a quantity of twelve (12) to ASSET ONE.
4. Contact the IFMP Support staff at your center to obtain accounting data for testing purposes.
5. Using the SITE PARAMETER TABLE (SITEPARM) process, select and enter “Y” for “SHOW IFM PARAMETERS”. Enter the test data supplied by IFMP personnel and a “Y” in both IFM SYSTEM INSTALLED and PRESENT THE ACCOUNTING DATA SCREEN fields.
6. Using the CREATE ISSUE DIRECIVE (ISSUEPRE) process to issue four (4) from ASSET ONE. Enter the IFMP accounting data obtained for testing purposes and enter when the screen is presented. When the pop-up window asking “PRESS ENTER TO CLEAR DATA FIELDS OR TYPE ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION:”, enter “S”. Process to completion.
7. Continue by issuing two (2) from ASSET ONE. Make note that the IFMP accounting data is automatically populated in the IFMP accounting screen, with the same values as previously entered. When the pop-up window asking “PRESS ENTER TO CLEAR DATA FIELDS OR TYPE ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION:”, enter “ ”. Process to completion.
8. Using the MONITOR TRANSACTION (MONTRANS) process to verify that both ISPR transactions for ASSET ONE have the same IFMP accounting data.

9. Using the CREATE ISSUE DIRECTIVE (ISSUEPRE) process to issue one (1) from ASSET ONE. When the pop-up window asking “PRESS ENTER TO CLEAR DATA FIELDS OR TYPE ‘S’ TO SAVE FIELDS FOR NEXT TRANSACTION:”, enter “S”. Process to completion.
10. Continue by issuing ten (10) from ASSET ONE, make sure CREATE DUE OUT is set to “Y” and process to completion. Note that both ISPR pop-up window and DOST pop-up window have the same IFMP accounting data automatically populated. Process to completion.
11. Using the MONITOR TRANSACTION (MONTRANS) process to verify that the ISPR transaction and the DOST transaction for ASSET ONE have the same IFMP accounting data.
12. Repeat steps 1 through 11 for Standby Stock (Stock Status Code of “3”) Non-Traceable asset (blank in TRACE CODE on Catalog record).
13. Repeat steps 1 through 11 for Store Stock (Stock Status Code of “1”) Serial Number Traceable (“S” in TRACE CODE on Catalog record).
14. Repeat steps 1 through 11 for Standby Stock (Stock Status Code of “3”) Serial Number Traceable (“S” in TRACE CODE on Catalog record).
15. Repeat steps 1 through 11 for Store Stock (Stock Status Code of “1”) Lot Batch Traceable (“L” in TRACE CODE on Catalog record).
16. Repeat steps 1 through 11 for Standby Stock (Stock Status Code of “3”) Lot Batch Traceable (“L” in TRACE CODE on Catalog record).

**2. PROBLEM – The creation of a receipt record without accounting data. 1620 - #1038**

A due-in record was created. Then an archive was run releasing records with lower ISN numbers. Then a receipt was created which used one of these lower ISN numbers. The document number from the due-in was placed temporarily in the document number of the receipt as it was created. A FIND was performed in the PRE-ET to get the accounting data from the due-in record (which should have a unique document number), but due to the receipt having an erroneous document number and a lower ISN, it is found instead. This results in invalid accounting data on the receipt record. The document number of the receipt is corrected when the receipt is assigned a unique document number in the PRE-ET, but the invalid accounting data has already been added to the receipt record. This erroneous condition will only manifest itself when the records have been archived and the ISN (the Database Management System Internal Sequence Number) is reused (reuse ISN flag set to “Yes”).

**ACTION** – Correct the code to blank out the document number of the receipt until the PRE-ET can assign it a unique document number.

**VALIDATION**

1. Using the Add Change or Delete Catalog Detail (CATADCHG) process to add a Catalog record. This will be Catalog One.
2. Using the Add, Change or Delete Asset (ADCHGAST) process and Catalog One to add store stock asset. This will be Asset One.
3. Using the Manual Commercial Due-In (MANCOMDI) process to add a Due-In for Asset One. Make sure Purchase Order Number is entered. Make note of Purchase Order Number. This will be Due-In One.
4. Using the Monitor Transaction (MONTRANS) process, view and make note of the Due-Ins document number.
5. Using the Receive Due-In Not-Due-In (DINOTDI) process to receive Due-In One by Purchase Order Number. Receive all of the quantity and process to completion.
6. Using the Monitor Transaction (MONTRANS) process, verify that the receipt (RCDI) transaction has its correct accounting data.
7. Repeat steps 1 through 8 for Program Stock.
8. Repeat steps 1 through 8 for Standby Stock.
9. Repeat steps 1 through 8 for Traceable Items - Store, Program and Standby items.

**3. PROBLEM – Inaccurate Reporting of Adjustments & Non-Adjustments to Program Stock—Traceable Assets 1620# - 1039**

Report Totals do not reflect adjustments & non-adjustments to Program Stock--Traceable assets.

**ACTION** – Modify NSMS to ensure accurate, proper reporting of adjustments & non-adjustments to Program Stock—Traceable assets.

**SPECIAL NOTES**:
None.

**VALIDATION**

1. Using the Catalog Scan (CATSCAN) process, determine three (3) National Stock Numbers (NSNs) which are not already on file. These NSNs will be known as **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**.
2. Using the Add, Change, or Delete Catalog Detail (CATADCHG) process, create catalog records for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**, as follows:
    - Specify Local-NSN values of ‘N’, DLSC-Status values of ‘A’.
    - Make note of the respective Supply-Source value used in each record.

- For **NewCatalog1**, specify Trace-Code value of blank (non-traceable).
- For **NewCatalog2**, specify Trace-Code value of 'L' (lot-batch).
- For **NewCatalog3**, specify Trace-Code value of 'S' (serial).
- For the remaining non-required fields, enter a combination of blank and non-blank values, making note of the data values entered/left blank.

3. Using the Catalog Scan (CATSCAN) process, verify the catalog data for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**.
4. Using the Add, Change, or Delete asset (ADCHGAST) process, add two (2) program stock assets for **NewCatalog1**, **NewCatalog2**, and **NewCatalog3**, as stocked items. For each asset, specify:
   - Estimated-Average-Monthly-Demand value of 100
   - Reorder-Exempt value of blank
   - Standby-Retention-Level of 20
   - Reorder-Point-Quantity value of 20
   - On one asset created for **NewCatalog2**, specify twenty (20) Bin-Ids. On all other assets created, specify one (1) Bin-Id.
   - Twenty (20) Org-Project values

   These assets will be identified as follows:
   - The program stock assets for **NewCatalog1** will be known as **Asset1** and **Asset2**, respectively.
   - The program stock asset for **NewCatalog2** with twenty (20) Bin-Ids will be known as **Asset3**. The program stock asset for **NewCatalog2** with one (1) Bin-Id will be known as **Asset4**.
   - The program stock assets for **NewCatalog3** will be known as **Asset5** and **Asset6**, respectively.
5. Using the Asset Scan (SCANASET) process, verify the asset data for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
6. Using the Receive Due-In Not-Due-In (DINOTDI) process, receive Not-Due-In quantity for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, as follows:
   - For each receipt's Supply-Source value, specify the respective Supply-Source value used in the corresponding catalog record, **NewCatalog1**, **NewCatalog2**, or **NewCatalog3**.
   - Allocate at least one unit received in each of the twenty (20) Org-Project values present on each respective asset.
7. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the receipt transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
8. Using the Asset Scan (SCANASET) process, verify the following values for each of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
   - Quantity on hand

- Org-Project values and quantities. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
- Trace key values and quantities, as applicable

9. Using the Inventory Adjustment (INVADJST) process, decrease the respective quantities of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, as follows:
    - Using a single transaction for each asset, zero out the quantities allocated to the last three Org-Projects (i.e., Org-Projects numbered 18, 19, and 20 as shown in the previous asset scan) on each asset.
    - Using a single transaction for each asset, zero out the quantities allocated to the first three Org-Projects (i.e., Org-Projects numbered 1, 2, and 3 as shown in the previous asset scan) on each asset.
    - Using a single transaction for each asset, zero out the quantity allocated to at least one other Org-Project—chosen from among the Org-Projects numbered 8, 9, 10, 11, or 12, as shown in the previous asset scan—on each asset.
10. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the adjustment transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
11. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
    - Quantity on hand
    - Org-Project values and quantities.
    - Org-Projects whose Org-Project quantity of a specific asset has been exhausted no longer appear in the Org-Project information for that asset.
    - Trace key values and quantities, as applicable
12. Using the Add, Change, or Delete asset (ADCHGAST) process, change **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6** as follows:
    - Add enough new Org-Project values to each asset to increase each asset to its full complement of twenty (20) Org-Project values.
13. Using the Asset Scan (SCANASET) process, verify the changes to **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
14. Using the Receive Due-In Not-Due-In (DINOTDI) process, receive Not-Due-In quantity for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, as follows:
    - For each receipt's Supply-Source value, specify the respective Supply-Source value used in the corresponding catalog record, **NewCatalog1**, **NewCatalog2**, or **NewCatalog3**.

- Allocate at least one unit received in each of the twenty (20) Org-Project values present on each respective asset.

15. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the receipt transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
16. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
    - Quantity on hand
    - Org-Project values and quantities. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
    - Trace key values and quantities, as applicable
17. Using the Organization/Project Transfer (ORGTRNSF) process, reallocate the Org-Project quantities of **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, as follows:
    - Transfer the entire quantity allocated to the last Org-Project on each asset (i.e., Org-Project numbered 20 as shown in the previous asset scan) to another Org-Project already existing on the same asset.
    - In separate transactions, transfer the entire quantities allocated to the first three Org-Projects (i.e., Org-Projects numbered 1, 2, and 3 as shown in the previous asset scan) to other Org-Projects already existing on the same asset. Do not transfer quantity to Org-Projects which were zeroed out by this process. Do not add additional Org-Project values.
    - Transfer the entire quantity allocated to at least one other Org-Project chosen from among the Org-Projects numbered 8, 9, 10, 11, or 12, as shown in the previous asset scan, to another Org-Project already existing on the same asset. Do not transfer quantity to Org-Projects which were zeroed out by this process. Do not add additional Org-Project values.
18. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the Organization Project Transfer Within Asset transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
19. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
    - Quantity on hand
    - Org-Project values and quantities.
    - Org-Projects whose Org-Project quantity of a specific asset has been exhausted no longer appear in the Org-Project information for that asset.
    - Trace key values and quantities, as applicable
20. Using the Add, Change, or Delete asset (ADCHGAST) process, change **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6** as follows:

- Add enough new Org-Project values to each asset to increase each asset to its full complement of twenty (20) Org-Project values. Make note of the new Org-Project values added to each respective asset.

21. Using the Asset Scan (SCANASET) process, verify the changes to **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
22. Using the Receive Due-In Not-Due-In (DINOTDI) process, receive Not-Due-In quantity for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**, as follows:
    - For each receipt's Supply-Source value, specify the respective Supply-Source value used in the corresponding catalog record, **NewCatalog1**, **NewCatalog2**, or **NewCatalog3**.
    - Allocate the quantity received among the respective Org-Project values on each asset as follows:
        - In each of the newly-added Org-Project values on each respective asset, allocate at least fifteen (15) units received.
        - In each of the prior Org-Project values on each respective asset, allocate at least one unit received. This allocation affects only those Org-project values which were not exhausted during the Organization/Project Transfer (ORGTRNSF) process.
23. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the receipt transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
24. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
    - Quantity on hand
    - Org-Project values and quantities. Make note of the respective Org-Project values and quantities, as well as the order in which the respective Org-Project values appear on each asset.
    - Trace key values and quantities, as applicable
25. Using the Inventory Counts Main Menu (INVCTSMM) process, prepare and process an inventory count of type FSA (specify 'N' for last inventory date check) for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**. For each asset, specify a quantity which differs from the quantity on hand, subject to the following:
    - For **Asset1**, **Asset3**, and **Asset5**, the net total adjustment for each asset must be less than 10% of the total quantity for that asset.
    - For **Asset2**, **Asset4**, and **Asset6**, the net total adjustment for each asset must be greater than 10% of the total quantity for that asset.
    - In a single count, adjust the Org-Project quantities for each asset as follows:

- Zero out the quantities allocated to the last three Org-Projects (i.e., Org-Projects numbered 18, 19, and 20 as shown in the previous asset scan) on each asset.
- Zero out the quantities allocated to the first three Org-Projects (i.e., Org-Projects numbered 1, 2, and 3 as shown in the previous asset scan) on each asset.
- Zero out the quantity allocated to at least one other Org-Project—chosen from among the Org-Projects numbered 8, 9, 10, 11, or 12, as shown in the previous asset scan—on each asset.
- On the individual trace-keys of the traceable assets, (i.e., **Asset3**, **Asset4**, **Asset5**, and **Asset6**) on the remaining Org-Projects (i.e., those Org-Projects which are not zeroed out), specify a limited number of balanced counts ("No Adjustments"), adjustments less than 10% of the trace quantity (variance adjustments), and adjustments which exceed 10% of the trace quantity (error adjustments).

Please note: some of the quantities allocated to the remaining Org-Projects (i.e., those Org-Projects which are not zeroed out) on each asset may need to be increased, so that the net total adjustment on each asset falls within the 10% threshold or exceeds the 10% threshold, as applicable.

Process to completion of the final adjustment. Examine the output, making note of all errors and variances. Verify all errors and variances. Note: for both traceable assets and non-traceable assets, the Final Adjustment Report tracks errors, variances, and 'no adjustments' at the asset level.

26. Using the Monitor Transaction (Multi-Purpose) (MONTRANS) process, verify the adjustment transactions for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**.
27. Using the Asset Scan (SCANASET) process, verify the following for **Asset1**, **Asset2**, **Asset3**, **Asset4**, **Asset5**, and **Asset6**:
    - Quantity on hand
    - Org-Project values and quantities
    - Trace key values and quantities, as applicable
    - Org-Projects whose Org-Project quantity of a specific asset has been exhausted no longer appear in the Org-Project information for that asset.
28. Using the Inventory Counts Main Menu (INVCTSMM) process, select "Produce Inventory Control Report" (option 8) to generate the inventory control report for **Inventory1**. Submit the batch job. Process to completion. Examine the output and verify the errors and variances against adjustment transactions and the respective asset data. Note: on traceable assets, the Inventory Control Report tracks errors, variances, and 'no adjustments' at the

individual Org-Project + Trace-Key level, while on non-traceable assets, errors, variances, and 'no adjustments' are tracked at the asset level.

**4. PROBLEM – In the Transaction Adjustment (TRANSADJ) process, the wrong records are attempting to be updated. 1620 - #1040**

In some cases, the Transaction Adjustment (TRANSADJ) process in hung up. In any case when performing a Post Post Issue (ISSUEPP) process on a Warehouse / Substore asset and the "save data option" is invoked, and a regular non-warehouse asset is issued, the Warehouse Asset's "TXN-ASST-WRHSE-DNSO" is stored in the regular non-warehouse asset's "TXN-ASST-WRHSE-DNSO".

**ACTION** – Correct the problem that occurs only when the "save data option" is used.

**VALIDATION**

1. Using the Add Change or Delete Catalog Detail (CATADCHG) process to add a Catalog record. This will be Catalog One.
2. Using the Add Change or Delete Catalog Detail (CATADCHG) process to add a Catalog record. This will be Catalog Two.
3. Using the Add, Change or Delete Asset (ADCHGAST) process and Catalog One to add store stock asset with SUBSTORE INDICATOR of "W". This will be Asset One.
4. Using the Add, Change or Delete Asset (ADCHGAST) process and Catalog Two to add store stock asset with SUBSTORE INDICATOR of blank. This will be Asset Two.
5. Using the Manual Commercial Due-In (MANCOMDI) process to add a Due-In for Asset One. Make sure Purchase Order Number is entered. Make note of Purchase Order Number. This will be Due-In One.
6. Using the Manual Commercial Due-In (MANCOMDI) process to add a Due-In for Asset Two. Make sure Purchase Order Number is entered. Make note of Purchase Order Number. This will be Due-In Two.
7. Using the Receive Due-In Not-Due-In (DINOTDI) process to receive Due-In One by Purchase Order Number. Receive all of the quantity.
8. Using the Receive Due-In Not-Due-In (DINOTDI) process to receive Due-In Two by Purchase Order Number. Receive all of the quantity.
9. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset One. Reply "S" to the "Save Data Option".
10. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset Two. Reply "S" to the "Save Data Option".
11. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset One. Reply "S" to the "Save Data Option".

12. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset One. Reply “S” to the “Save Data Option”.
13. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset Two. Reply “S” to the “Save Data Option”.
14. Using the Post Post Issue (ISSUEPP) process to issue a partial quantity of Asset Two. Reply “S” to the “Save Data Option”.
15. From the NSMS Main Menu (MAIN) type %% on the command line to get to NEXT prompt. Enter NSDR1040 to activate the verification ad hoc, NSDR1040. Enter the asset key for Asset One. Verify that only Asset One appears and that Asset Two does not appear.

**5. PROBLEM – Need a process to aid in identifying/recreating issue type transactions sent to IFMP. 1620 - #1042**

In the case of a backup restore in SAP, a process needs to be developed to aid/reprocess transactions sent to IFMP. The issue type transactions need to be identified for re-processing in IFMP based on a timeframe supplied by IFMP.

**ACTION** –Create process in NSMS to aid in identifying and reprocessing transactions (ISPR, ISPP, ISOC, ISDR, ISPRR, ISPPR, ISOCR, ISDRR not as the result of a receipt reversal, TICR, TICRR, and ISDRA, ISPRA with the document number sequence is 000) already processed in NSMS but need to be re-processed in IFMP. This process should allow for a time-frame (date) to be entered. This process should work for each center individually.

**SPECIAL NOTES**:
You will need valid IFMP accounting data for this test, including a Fund Code ending in ‘R’ and one ending in ‘D’.
Receipt transactions should be received against due-ins.
Use the Monitor Transaction (MONTRANS) process to view the IFMP accounting data where applicable.

1. Add the IFMP Restore process to the Online Tasks Maintenance (TASKS) in the NS domain with:
   FUNCTION: A
   TASK TYPE: P
   Task ID: NSPTRIFM
   Press <enter>

Enter: Command name: IFMPREST
Type: IFMP
Title: IFMP RESTORE
Secured: N
Function: blank
Comment: N

2. Add the IFMP Restore process to the Batch Task Maintenance (BATCHTSK) in the NS domain with:
   Action: A
   Task ID: NSPURIFM
   Task name: IFMP Restore
   Parameter Input Module: NSSFRIFM
   Number of work files:
   Reports Info:
      Id: NSRBRIFM
      Name: IFMP RESTORE REPORT
      File-No: 1
      Id: NSRBRIF2
      Name: IFMP RESTORE ERROR REPORT
      File-No: 2

3. Add the IFMP Restore process to the Batch Job Maintenance (BATCHJOB) in the NS domain with:
   Job ID: IFMPREST
   Job Name: IFMP Restore
   Type of scheduling: U (User Initiated)
   Type of submission: I (Immediate)
   Task ID: NSPURIFM

   Specify Copies, Output Type, and Output Option data for:
   Report ID: NSRBRIFM
   Report Name: IFMP Restore report
   File No: 1
   Report ID: NSRBRIF2
   Report Name: IFMP Restore Error report
   File No: 2

4. Using the Online Tasks Maintenance (TASKS) process, modify the menu for IFMP.
   FUNCTION: M
   Task Type: M
   Task ID: NSMNIFMP

Press <enter> to receive the selection screen.
Select NSPTRIFM to be added to the IFMP menu. Enter a period (.) to display the processes selected. Pressing <enter> will return to the main Task screen.

5. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.

**VALIDATION**

1. Using the Catalog Scan (CATSCAN) process, select an active commercial and federal stock number. The commercial stock number will be known as **NSN1**. The federal stock number will be known as **NSN2**.
2. Using the Asset Scan (SCANASET) process, select an active store stock asset with quantity on hand for **NSN1** and **NSN2**.
3. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1** and **NSN2**, leave some quantity on the assets. The transactions will be sent to IFMP on-line. Note the document numbers of the issues.
4. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issues created in step 3. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments.
5. Using the Transaction Reversals (REVTRANS) process, reverse the unit pack adjustments created in step 4. The transactions will be sent to IFMP on-line.
6. Using the Transaction Reversals (REVTRANS) process, reverse the issues created in step 3. The transactions will be sent to IFMP on-line.
7. Using the Create Issue Directive (ISSUEPRE) process, issue some quantity for **NSN1** and **NSN2**, leave some quantity on the assets. The transactions will be sent to IFMP on-line. Note the document numbers of the issues.
8. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issues created in step 7. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments.
9. Using the Transaction Reversals (REVTRANS) process, reverse the issues created in step 7. The transactions will be sent to IFMP on-line.
10. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN2**.
11. Using the Manual Commercial Due-In (MANCOMDI) process, add a due-in for **NSN1**.
12. Using the Create Manual Due Out (MANUALDO) process, add a due-out for **NSN1** and **NSN2**.
13. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer ‘Y’es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.

14. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 13. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA) .
15. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release adjustments created in step 14. The transactions will be sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB).
16. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release created in step 13. The transactions will be sent to IFMP on-line.
17. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 13. The receipt transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the reversal transactions (RCDIR) for **NSN2**.
18. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
19. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 18. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA).
20. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transactions created in step 18. The transactions (ISDRR) will be sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB will be sent to IFMP in the outgoing batch file).
21. Using the Transaction Reversals (REVTRANS) process, reverse the receipt (RCDI) transactions created in step 18. The transactions (RCDI) will be sent to IFMP in the outgoing batch file.
22. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
23. Using the Issue – Unit Pack Adjustment (PACKADJ) process, adjust the issue due out releases created in step 22. The transactions will be sent to IFMP on-line. Note the document numbers of the issue adjustments transactions (ISDRA).
24. Using the Transaction Reversals (REVTRANS) process, reverse the issue due out release (ISDR) transactions created in step 22. The transactions (ISDRR) will be sent to IFMP on-line. Note the document numbers of the reversal transactions (ISDRB will go in the outgoing batch file to IFMP).

25. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 22. The receipt transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the reversal transactions (RCDIR) for **NSN2**.
26. Using the Manual FED/MIL Order Entry (MANFED) process, add a due-in for **NSN2**.
27. Using the Manual Commercial Due-In (MANCOMDI) process, add a due-in for **NSN1**. Enter a purchase order number.
28. Using the Create Manual Due Out (MANUALDO) process, add multiple due-out transactions for **NSN1** and **NSN2**.
29. Using the Receive Due-in Not Due-In (DINOTDI) process, receive quantity for **NSN1** and **NSN2**. Answer 'Y'es to release the due-outs and 'Y'es to release the on-hand quantity. The due out release transactions will be sent to IFMP on-line. Note the document numbers of the transactions.
30. Using the Transaction Reversals (REVTRANS) process, reverse the receipt transactions created in step 29. The receipt and due out release reversal transactions will be sent to IFMP in the outgoing batch file. Note the document numbers of the transactions.
31. Using the Customer Requisition (CUSTREQR) process, process issues for several active store stock or standby stock assets with quantity. Note the document number of the issue transactions.
32. Using the Receive Turn-In for Credit/NoCredit (TURNIN) process, turn in one of the issues created in step 31.
33. Using the Transaction Reversals (REVTRANS) process, reverse the turn-in transaction created in step 32.
34. Using the Warehouse Denial Analysis processes, initiate an analysis for one of the issues created in step 31. Enter a quantity less than what was issued, add comments and approve the analysis. Process through all of the analysis steps, approving each step as you process.
35. Using the Post Post Issue process, issue quantity for NSN1. Note the document number of the issue.
36. Using the Transaction Reversals (REVTRANS) process, reverse the issue transaction created in step 35.
37. If your center has an over-the-counter issue, issue quantity against NSN1. Note the document number of the issue.
38. Using the Transaction Reversals (REVTRANS) process, reverse the issue transaction created in step 37.
39. Submit the IFMP Outgoing process. Verify the transactions reflected on the report and on the outgoing file.
40. Submit the IFMP Restore process. Execute the process as Report only. Verify the transactions listed do not appear on the IFMP Outgoing process report.

41. Submit the IFMP Restore process. Execute the process as Re-process. Verify the transactions listed do not appear on the IFMP Outgoing process report. The transactions will be re-processed by IFMP.

# APPENDIX D

# INSTALLATION INSTRUCTIONS AND CHECKLIST

## Introduction

Release information:

System Name: NSMS
Release Number: 8.1.1
Release Date: April 2, 2003
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NSMS)

Telephone: (256) 544-6673
Email: scott.neely@msfc.nasa.gov
FAX: (256) 544-1836

***** IMPORTANT NOTE *****
**All release datasets must be deleted from the transient storage DASD volumes within 1 month of the release date. Failure to delete release datasets could negatively impact NPPS production.**

The following datasets are located on the transient storage DASD volumes under the following data sets names:

MSMOV.NSMS.PROD.R811.R0404.SRC

Where “xx” is replaced by the appropriate NASA Center designation.
AR – ARC
DF - DFRC
J5 – JSC
LA – LaRC
LE – GRC (Glenn)
MS - MSFC
SS - SSC

## Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 10.0 to assist in tracking the installation of this release.

1.0 Backup Existing Data
2.0 Copy Source
3.0 Pre-Predict Data Conversion
4.0 Install Predict
5.0 Catalog Source Code
6.0 Post-Predict Data Conversion
7.0 Load Natural Error Messages
8.0 Perform Release-Specific Procedures
9.0 Local JCL Mods
10.0 Installation Checklist

## 1. Backup Existing Data

It is advisable to back up all NSMS files and NATURAL software libraries, as a precautionary measure, prior to installation.

## 2. Copy Source

### 2.1 Load Source Code

Load the NSMS source modifications from the dataset MSMOV.NSMS.PROD.R811.R0404.SRC. The source programs were unloaded using the Natural utility NATUNLD. Using NATLOAD, the programs should be loaded to the application libraries named AGNSDEVL, AGNSTEST, and/or AGNSPROD, replacing any existing programs of the same name. The AGNSLIST libraries should also be loaded with the released modules.

The source module counts included in this release are listed below:

| Natural Source Modules by Type | |
|---|---|
| GLOBAL DATA AREA | 0 |
| LOCAL/PARAM DATA AREA | 4 |
| MAPS | 5 |
| HELP ROUTINES | 0 |
| SUBROUTINES | 4 |
| SUBPROGRAMS | 0 |
| PROGRAMS | 10 |
| COPYCODE | 0 |
| TEXT | 0 |
| PROCESS | 0 |
| MISCELLANEOUS OBJECTS | 0 |
| **Total:** | **23** |

## 2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| NSDLRIFM | IFMP Restore | LDA | 1042 |
| NSMFRIFM | IFMP Restore | MAP | 1042 |
| NSMHRIFM | IFMP Restore | MAP | 1042 |
| NSMFRIF2 | IFMP Restore | MAP | 1042 |
| NSMPRIFM | IFMP Restore | MAP | 1042 |
| NSPTRIFM | IFMP Restore | PGM | 1042 |
| NSPURIFM | IFMP Restore | PGM | 1042 |
| NSSFRIFM | IFMP Restore | PGM | 1042 |

Changed Modules

| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| NSDLISPR | Pre Post Issues | LDA | 1037 |
| NSPTISPR | Pre Post Issues | PGM | 1037 |
| NSMPINIT | Initialization | MAP | |
| NSPTRCPT | Receive Supply Item | PGM | 1038 |
| NSDLICT5 | Process Traceable Adjustments | LDA | 1039 |
| NSDLICWC | Process Warehouse Counts | LDA | 1039 |
| NSPRICPC | Print Inventory Control Report | PGM | 1039 |
| NSPTORGT | Organization/Project Transfer | PGM | 1039 |
| NSSRABIN | Realign Bin Quantities | SUB | 1039 |

| MODULE ID | MODULE NAME | TYPE | CCR# |
|---|---|---|---|
| NSSRBIN5 | Display Bin Id, Org Proj Id, Lot/ Serial Numbers For User Selection | SUB | 1039 |
| NSSRICT5 | Process Traceable Adjustments | SUB | 1039 |
| NSSRICWC | Process Warehouse Counts | SUB | 1039 |
| NSPTISPP | Display Fed/Mil Due-In Transaction | PGM | 1040 |
| NSDR1040 | Adhoc program for CCR1040 | PGM | 1040 |
| NSPUIFOT | Outgoing IFMP file | PGM | 1042 |

Deleted Modules

There are no modules to be deleted in this release.

## 3.0 Pre-Predict Data Conversion

There is no Pre-Predict data conversion for this release.

## 4.0 Install Predict

There are no Predict changes for this release.

## 5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. It **IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard parameters.

## 6.0 Post-Predict Data Conversion

There is no Post-Predict data conversion for this release.

## 7.0 Load Natural Error Messages

There are no Natural error messages for this release.

## 8.0 Perform Release-Specific Procedures

There are no release specific procedures for this release.

## 9.0 Local JCL Mods

There are no local JCL mods for this release.

## 10.0 Installation Checklist

1.0 Backup Existing Data
2.1 Load Source Code
5.0 Catalog Source Code